

Product datasheet for RC203510

UNC119 binding protein C5orf30 (C5orf30) (NM_033211) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UNC119 binding protein C5orf30 (C5orf30) (NM_033211) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UNC119 binding protein C5orf30
Synonyms: C5orf30
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC203510 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGTCGATATTAATGGAGAGTCTAGAAGTACCCTGACCACCTTGCCCTTCCTGGGGCTGAGGCCA
 ACTCCCCGGAAAGCGGAGGCAGAGAAGCCCCGCTGCTCCAGCACACCTGCTCCCCGATGCGGAGGAC
 CGTGTCAAGCTACCAGATCCTACACATGGACTCTAACTATTTGGTTGGCTTCACGACTGGCAGGAAGTC
 CTGAAGTTAGCTCAGAAGTGCACAGGAGGTGAAGAGAGCAAAGCAGAAGCCATGCCATCCTTACGCTCCA
 AACAGCTAGATGCAGGACTTGCCCGTTCCTCTCGTTTGTATAAAACCAGAAGTAGTACTACCAGCCATA
 CGAGATCCAGCTGTCAATGGCAGGAGCGAAGGCGGATGCCAAGCTCAGGAGACAAGTGCCTAAATCT
 TTACCTTATGAACCTTACAAGGCCCTCCATGGGCTCTGCCTCTTTGTCTTCTTAAAGGTAAGAGGGCTC
 ACTCCAAATCTCTGGACTACCTCAATCTAGATAAAATGATCAAGGAGCCAGCTGATACAGAAGTGCTACA
 GTACCAGCTTCAACACCTAACCTCCGAGGGGACCGTGTGTTGCTAGGAATAATACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203510 protein sequence
 Red=Cloning site Green=Tags(s)

MEVDINGESRSTLTLLPFGAEANSPGKAEAEKPRCSSTPCSPMRRVTSVGYQILHMDSNYLVGFTTGEEL
 LKLAQKCTGGEEKAEAMPSLRKQLDAGLARSSRLYKTRSRYYQPYEIPAVNGRRRRMPSSGDKCTKS
 LPYEPYKALHGPLPLCLLKGRAHSKSLDYLNLDKMIKEPADTEVLQYQLQHLTLRGDRVFNNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6056_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033211

ORF Size: 618 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_033211.4](#)

RefSeq Size: 3028 bp

RefSeq ORF: 621 bp

Locus ID: 90355

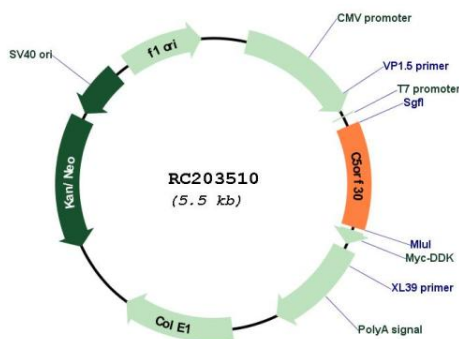
UniProt ID: [Q96GV9](#)

Cytogenetics: 5q21.1

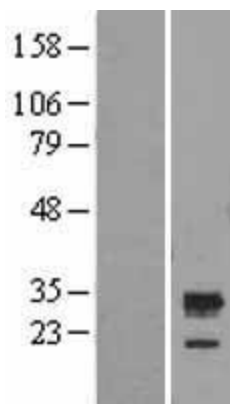
MW: 23.1 kDa

Gene Summary: This gene, MACIR (previously known as C5orf30), has been associated with rheumatoid arthritis, functioning as a negative regulator of tissue damage and modulating the activity of synovial fibroblasts and macrophages. The encoded protein is highly conserved in vertebrate genomes but has no significant similarity to any other human protein. [provided by RefSeq, Dec 2019]

Product images:



Circular map for RC203510



Western blot validation of overexpression lysate (Cat# [LY403234]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203510 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).